



Transitioning to the 2nd Order Draft of the IPCC SRREN

3rd Lead Author Meeting, Oxford, March 2nd, 2009

Professor Dr. Ottmar Edenhofer
Dr. Ramon Pichs-Madruga
Dr. Youba Sokona



Steffen Schloemer, Kristin Seyboth, Dr. Timm Zwicker



Wolfram Krewitt



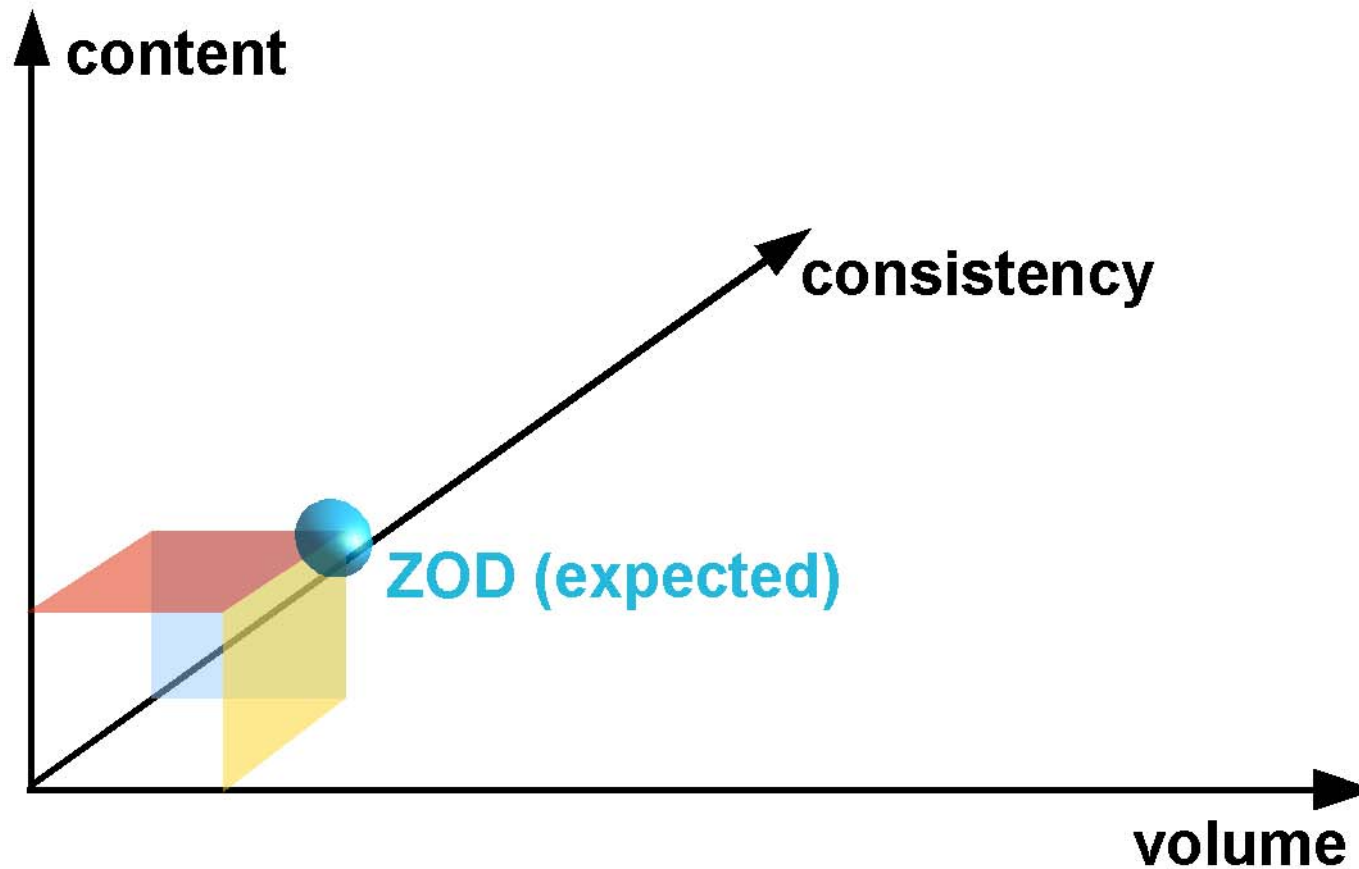
Table of Contents

- Progress since the ZOD
- The FOD: Where We Are
- The Road to the SOD
- Grey Literature

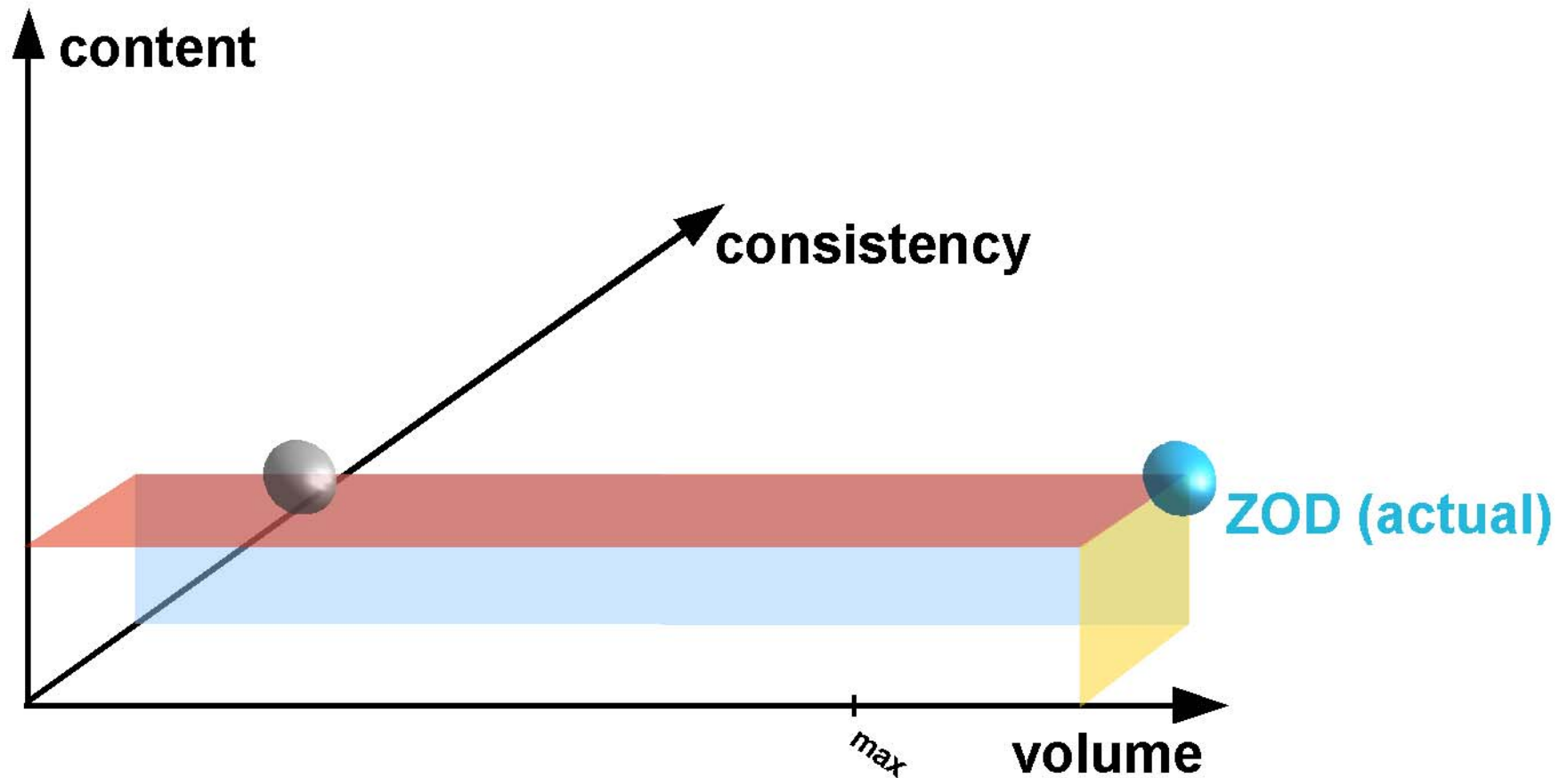
Table of Contents

- Progress since the ZOD
- The FOD: Where We Are
- The Road to the SOD
- Grey Literature

The ZOD: Where We Were



The ZOD: Where We Were

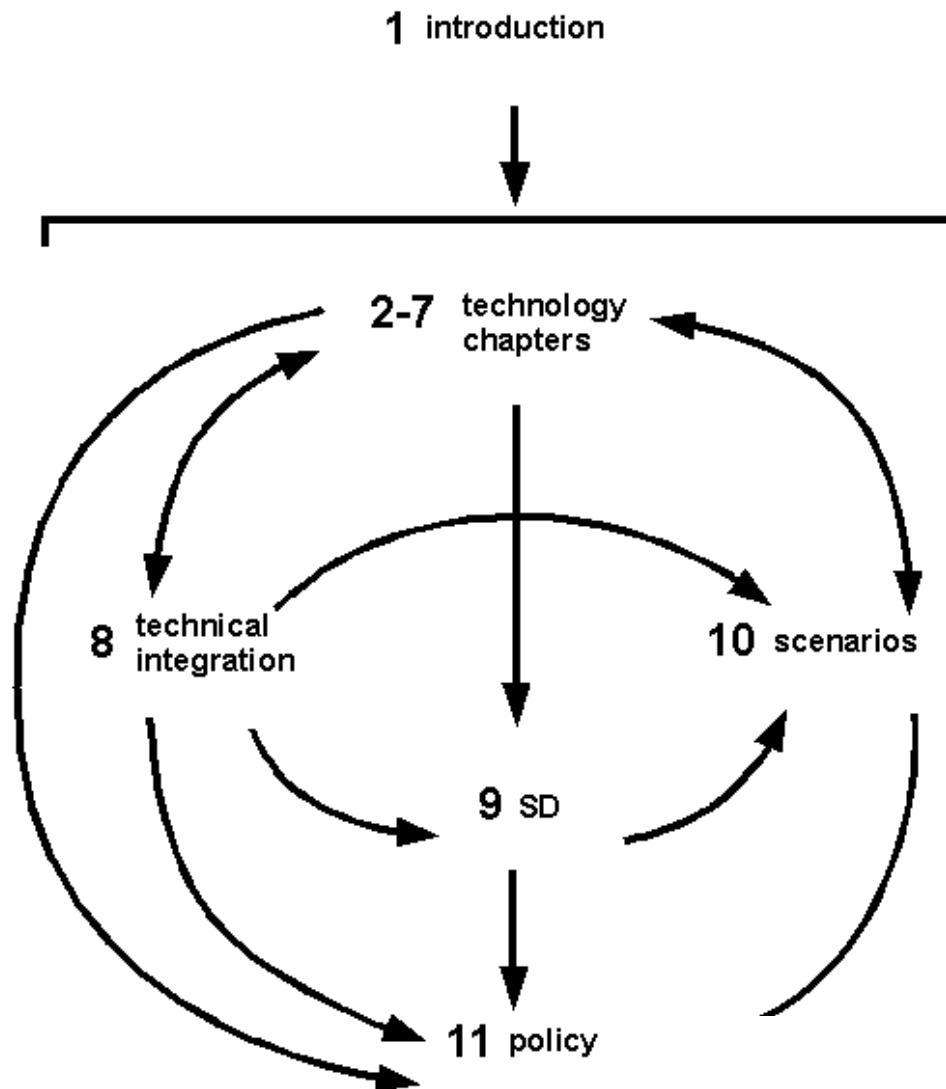


Looking Back to LA2 in Oslo

SRREN process continued and substantial steps towards completion of the report were made:

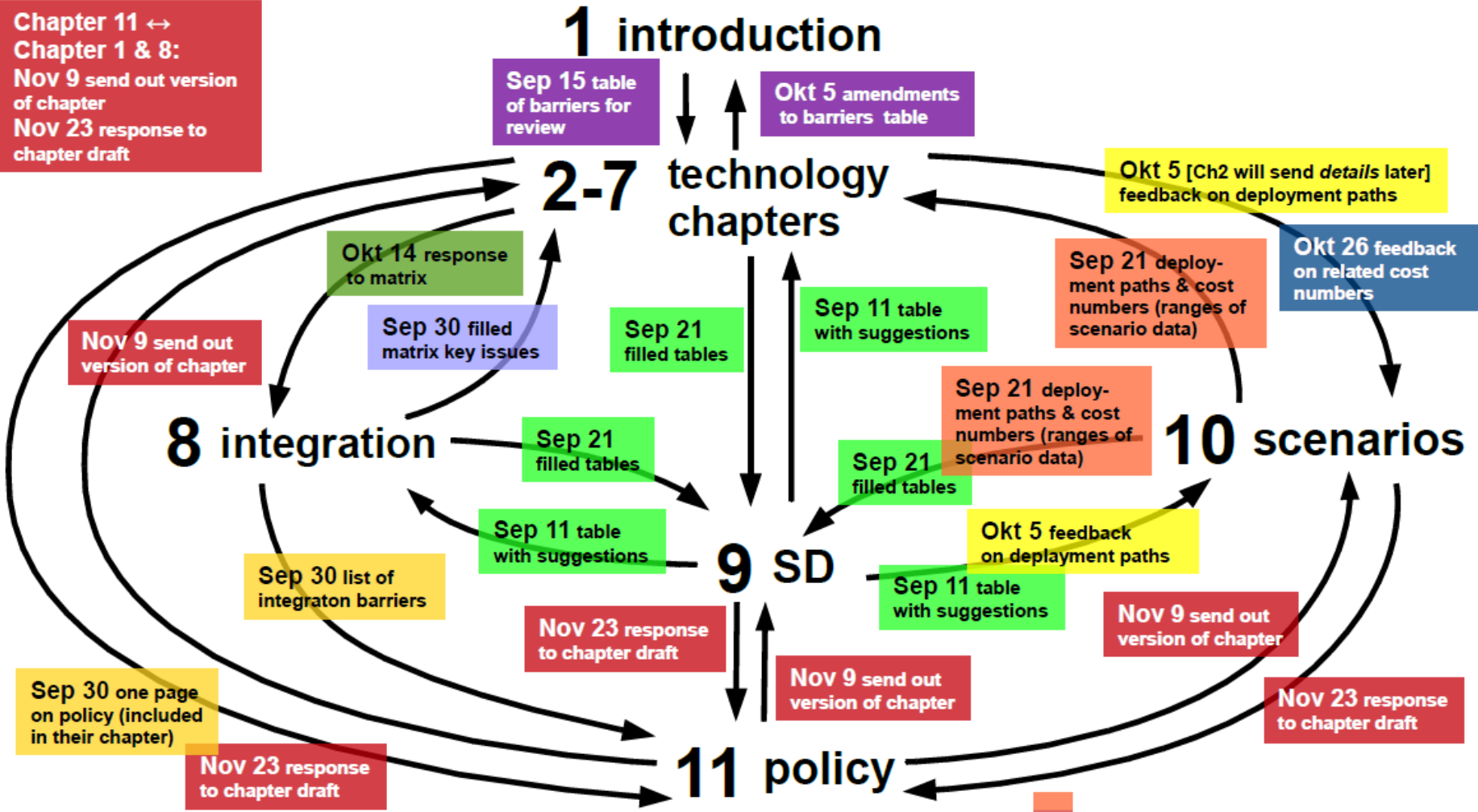
- Discussion and agreement by chapter teams on **processing of internal review comments for the ZOD in preparation of the FOD.**
- Further discussion and clarification of **key messages** for each chapter.
- Continuation of work on **cross-cutting themes** and timeline established for authors from each chapter concerned.
- Successful Expert Meeting **on modeling** of renewable energies to accompany preparation of the SRREN.

SRREN Information Flow



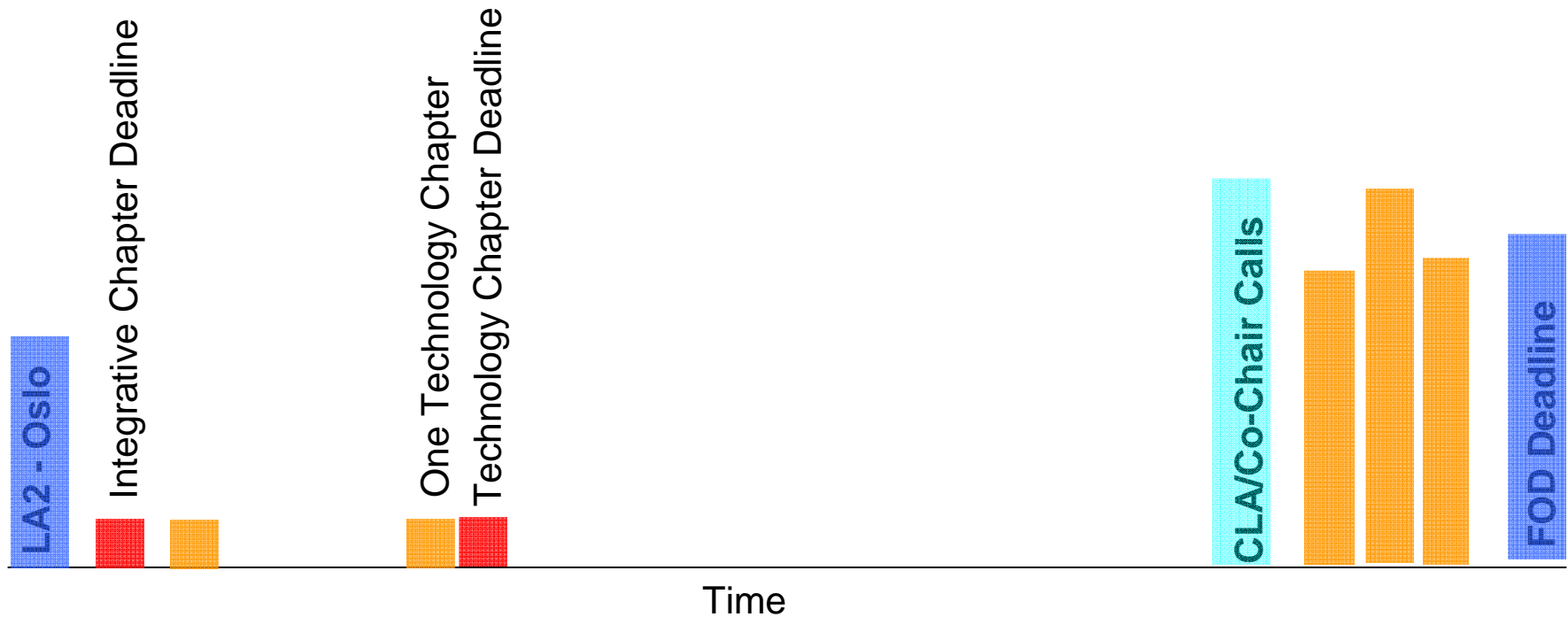
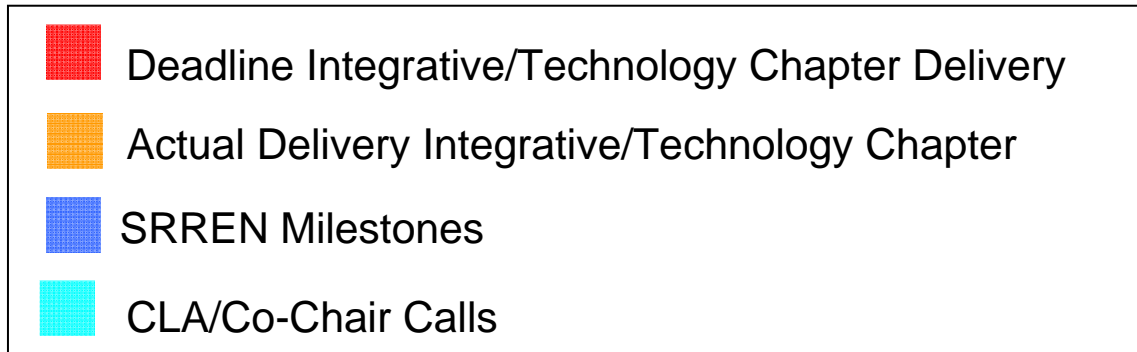
SRREN Information Flow

Delivery Schedule LA2

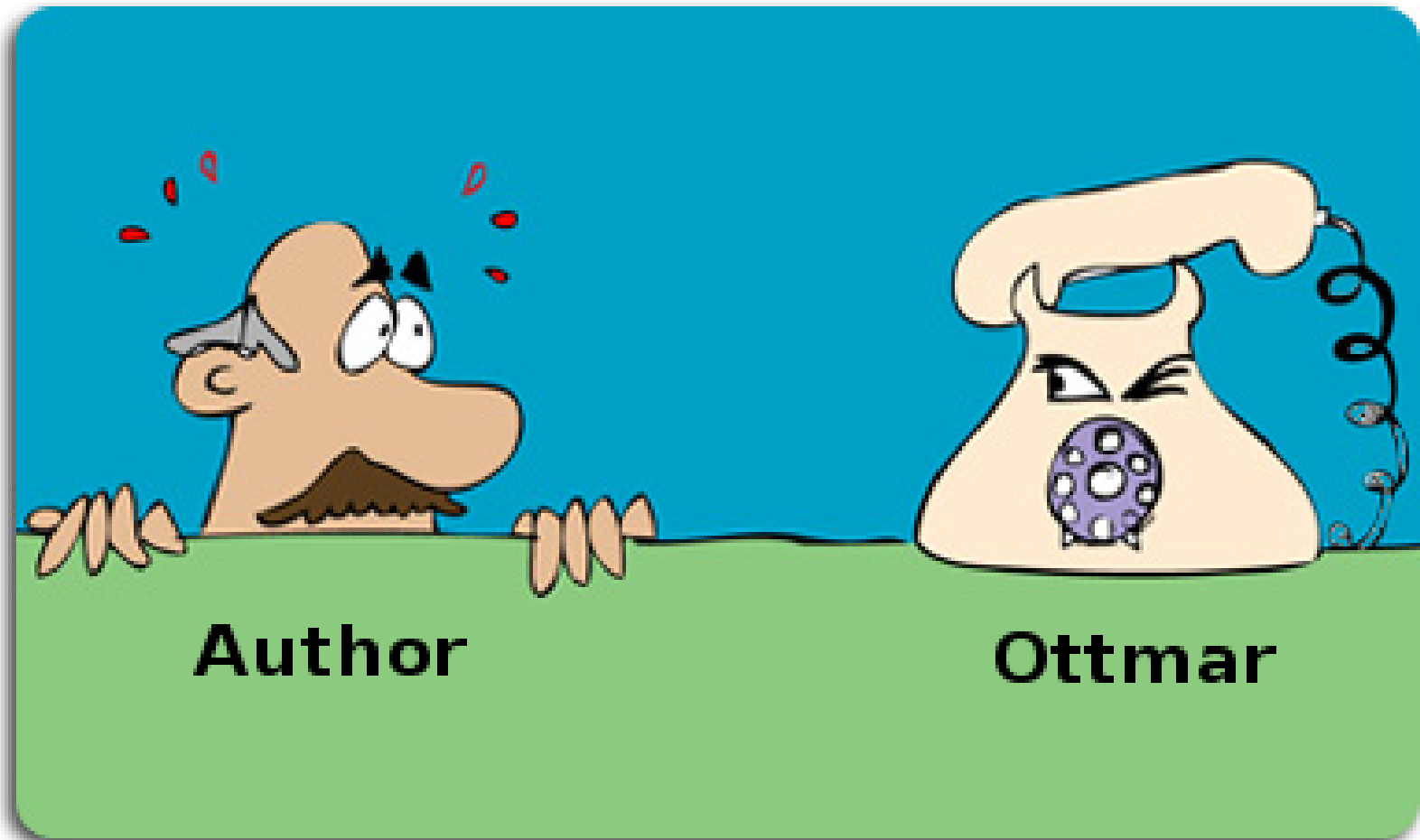


SRREN Information Flow

(Average Example of Poor Delivery)



Ideal Co-Chair Author Relationship





Being an obedient SRREN author pays off!

Table of Contents

- Progress since the ZOD
- **The FOD: Where We Are**
- The Road to the SOD
- Grey Literature

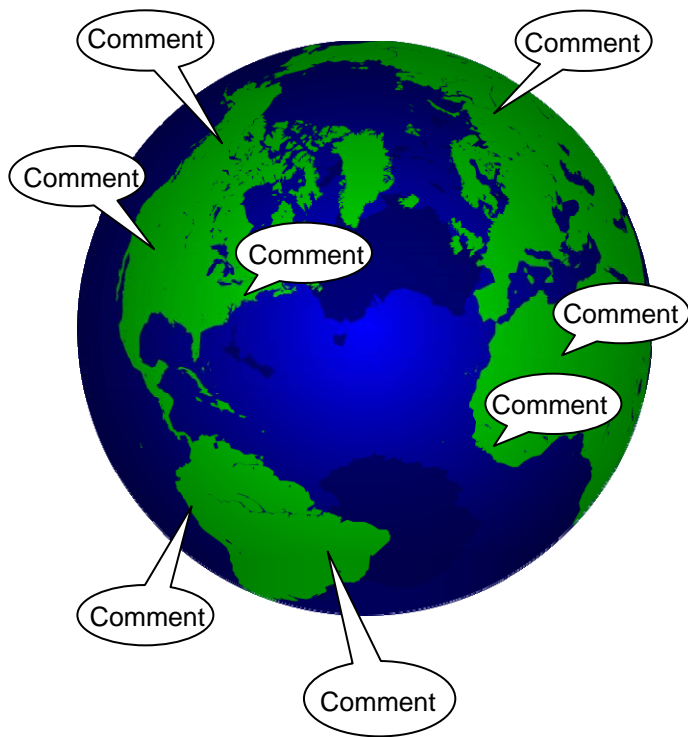
The FOD: Where We Are

- The FOD, expected to be ~ 800 pages counted 1062
- Gaps were prevalent in text
- Repetition within and across chapters was notable
- There was very little consistency across technology chapters

The FOD: A Lot at Stake

- SRREN is the first report after the harsh criticism of the IPCC in the global press
- Quality of the SRREN is decisive for the credibility of the IPCC
- Expectations are high, stakes are even higher
- The status and prestige of being an IPCC author depends on the delivery of a consistent and un-biased SRREN.

The First Order Draft – Expert Review

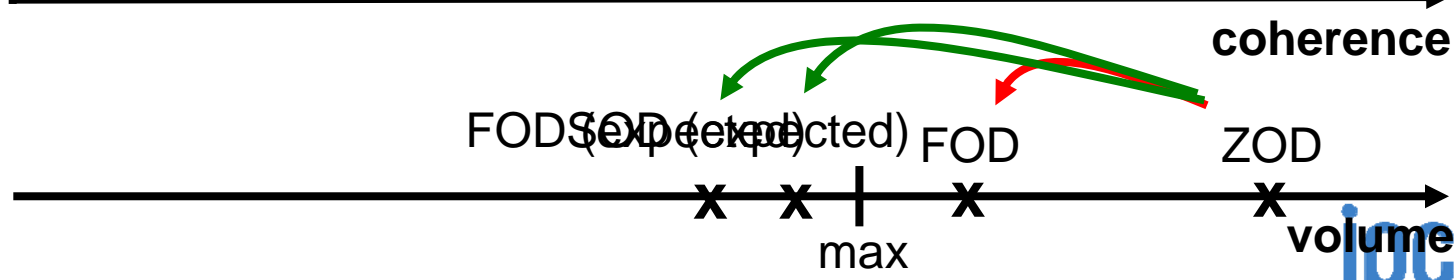
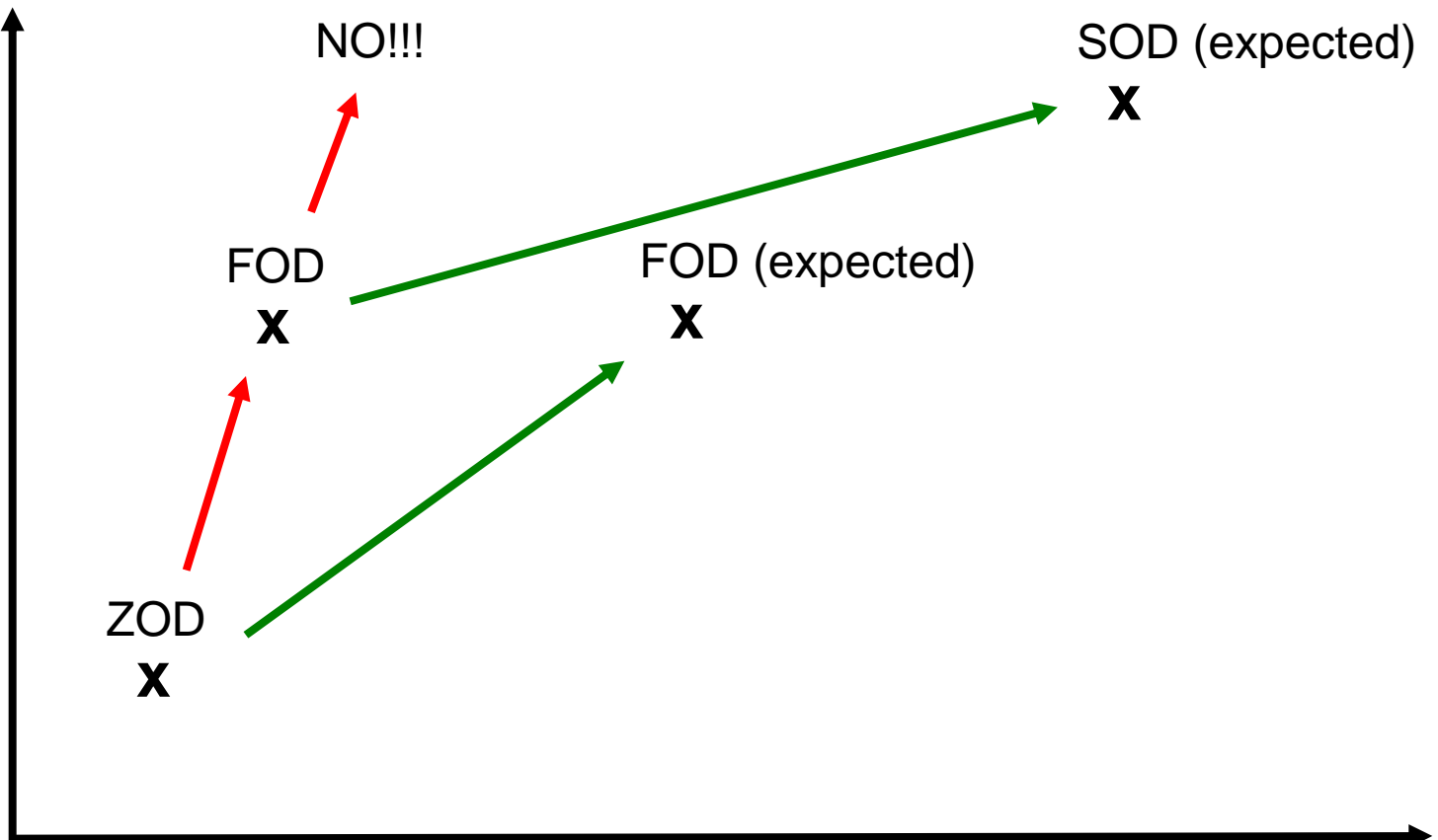


- Nearly 400 Expert Reviewers from across the globe were invited to submit comments to the FOD
- 8,776 comments were received.

Table of Contents

- Progress since the ZOD
- The FOD: Where We Are
- **The Road to the SOD**
- Grey Literature

content



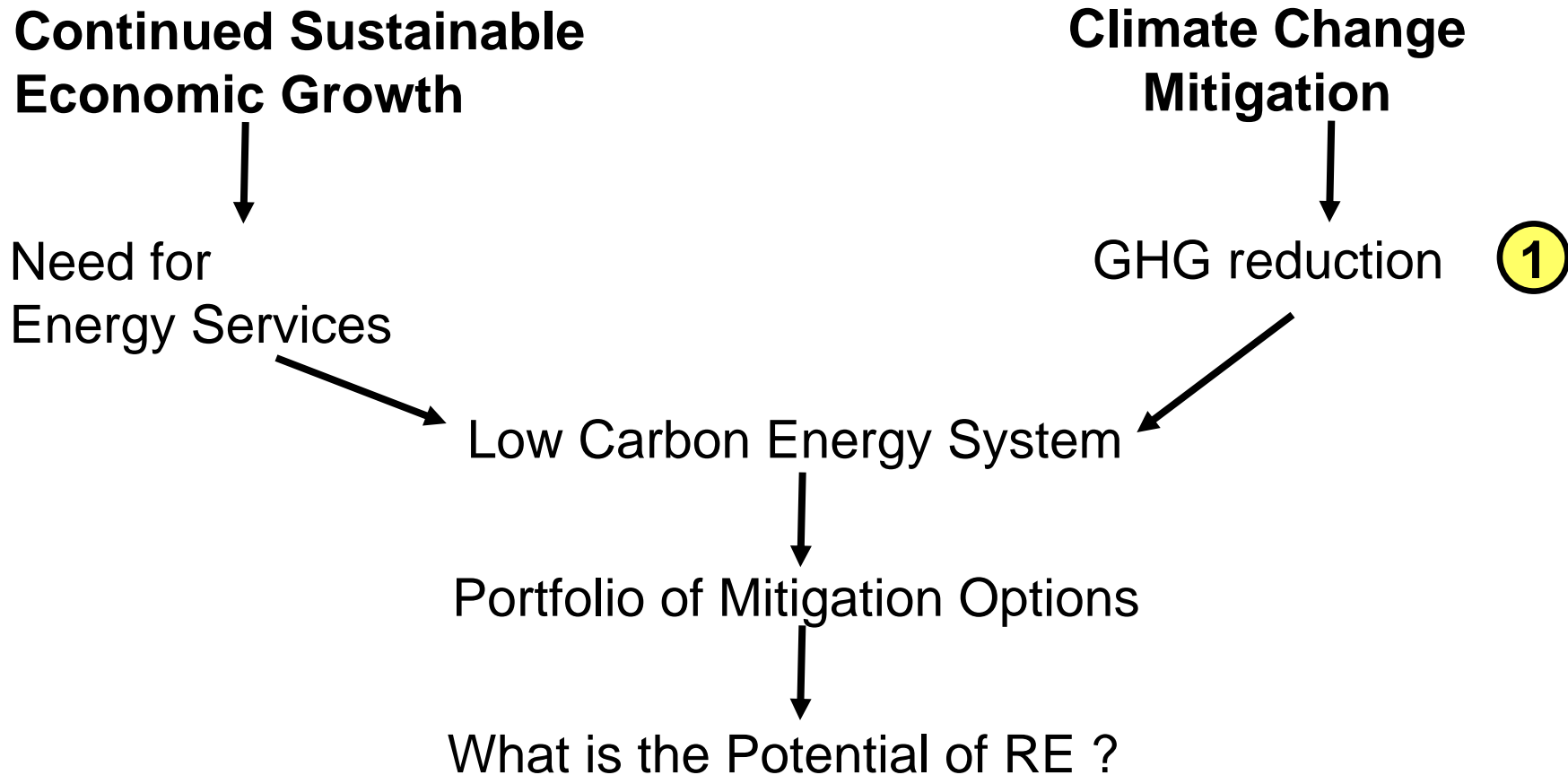
What are the important insights for stakeholders?

- Technical feasibility
- Integration costs and risks are important beyond the power sector
- Economic costs for a gradual and for a more radical change of the energy system
- Barriers which have to be removed anyway
- Policy instruments for a gradual and a more radical change

To what extent are renewables a dominant strategy?
The answer should not be policy prescriptive!

A Possible Storyline of Summary for Policy Makers (I)

Chapter



A Possible Storyline of Summary for Policy Makers (II)

Chapter

Sustainable
Development

Continued Sustainable
Economic Growth

Climate Change
Mitigation

Need for **Sustainable**
Energy Services

GHG reduction

1

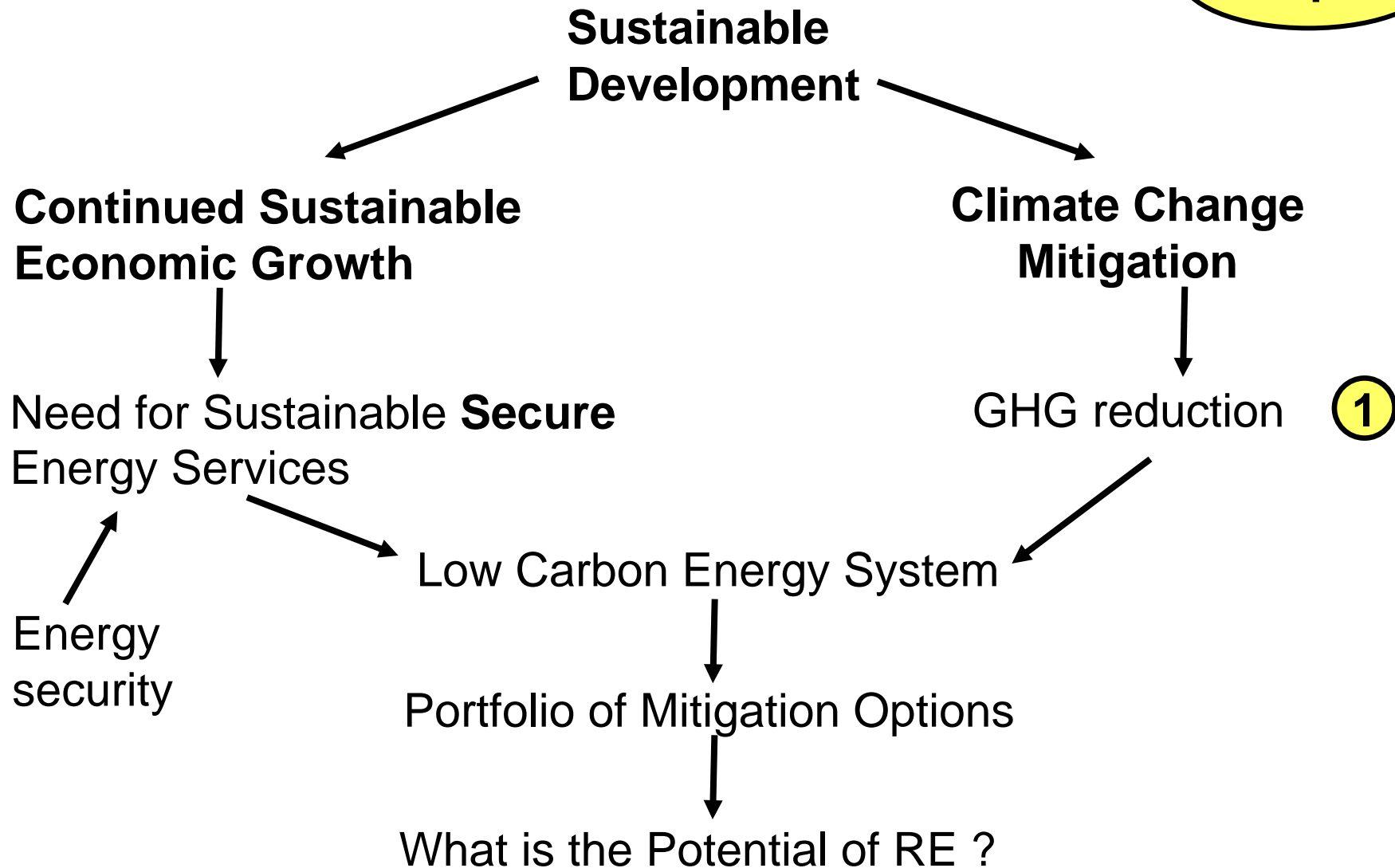
Low Carbon Energy System

Portfolio of Mitigation Options

What is the Potential of RE ?

A Possible Storyline of Summary for Policy Makers (III)

Chapter



A Possible Storyline of Summary for Policy Makers (IV)

Chapter

Low, medium and high Renewables Scenarios

9 10

Costs, risks and benefits



RE is a dominant strategy



Renewable Technologies

Resource potential, market status, sustainability, deployment pathways

2 = 7



Barriers to RE deployment

8 11



Policies and Instruments

11

A Possible Outline for the SPM

I: Introduction	A. Introductory Chapter	
II: Mitigation potentials	B. Rationale for RE = dominant strategy	ch.1,10
	C. Lo, medium, high RE scenarios	ch.10
III: RE technologies - Resource potential - Market status - Future deployment - Sustainable development aspects	D. Overview	ch. 2-9
	E. Biomass based Energy (+9)	ch. 2
	F. Direct Solar Energy	ch. 3 (+9)
	G. Geothermal Energy	ch. 4 (+9)
	H. Hydropower	ch. 5 (+9)
IV: Barriers	L. Barriers to RE deployment	ch. 8, (10)
V: Policies	M. Assessment of Policies and Instruments	ch. 11
	J. Wind Energy N. Strategies for transition	ch. 7 (+9) 11.8.10
VI: Conclusion	O. Research Needs, Knowledge gaps	all chapters 1. 8

Iconic Figures - What to Think About

- What are the iconic figures in the SRREN? – Those that will be shown in every SRREN presentation?
- What are the iconic figures in our chapter? – Those that should be included in the Summary for Policymakers?
- Are we missing any crucial figures that could be created as iconic figures for our chapter?

Table of Contents

- Progress since the ZOD
- The FOD: Where We Are
- The Road to the SOD
- Grey Literature

Grey Literature – Current Responsibilities

Responsibilities of Lead Authors

- “Critically assess any source that they wish to include (...) review the quality and validity ...”
- Send copy of *unpublished literature* to WG

Responsibilities of Review Editors

- “ensure that these sources are selected and used in a consistent manner”

Responsibilities of WG

- Collect and index
- Send copy of *unpublished literature* to expert reviewers *on request*

Treatment in IPCC Reports

- “Non-peer-reviewed sources ... will be integrated with references for the peer-reviewed sources.”

Grey Literature – Guiding Principles

The two distinct but related principles that are at the core of IPCC procedures are

- to ensure the **quality**, robustness and validity of the information assessed, and
- to ensure the **accessibility** of the sources for reviewers of the report drafts

Implementation of Guiding Principle 1 – Quality Check

Submission to a peer-
reviewed journal intended?

Deadline for Second Order Draft

Deadline for Final Draft

Implementation of Guiding Principle 1 – Quality Check

Submission to a peer-
reviewed journal intended?

Yes



High chance of being accepted?

Deadline for Second Order Draft

Deadline for Final Draft

Implementation of Guiding Principle 1 – Quality Check

Submission to a peer-
reviewed journal intended?

Yes

High chance of being accepted?

Yes

Submitted?

Deadline for Second Order Draft

Deadline for Final Draft

Implementation of Guiding Principle 1 – Quality Check

Submission to a peer-reviewed journal intended?

Yes

High chance of being accepted?

Yes

Submitted?

Yes

Deadline for Second Order Draft

Accepted for publication?

Deadline for Final Draft

Implementation of Guiding Principle 1 – Quality Check

Submission to a peer-reviewed journal intended?

Yes

High chance of being accepted?

Yes

Submitted?

Yes

Deadline for Second Order Draft

Accepted for publication?

Yes

Deadline for Final Draft

Okay, no longer
grey literature status

Implementation of Guiding Principle 1 – Quality Check

Submission to a peer-reviewed journal intended?

Yes

High chance of being accepted?

Yes / No

Do NOT use the source

Submitted?

Yes

Deadline for Second Order Draft

Accepted for publication?

Yes

Deadline for Final Draft

Okay, no longer
grey literature status

Implementation of Guiding Principle 1 – Quality Check

Submission to a peer-reviewed journal intended?

Yes

High chance of being accepted?

Yes / No

Do NOT use the source

Submitted?

Yes / No

Deadline for Second Order Draft

Do NOT use the source

&

REMOVE all parts from FOD based only on that source

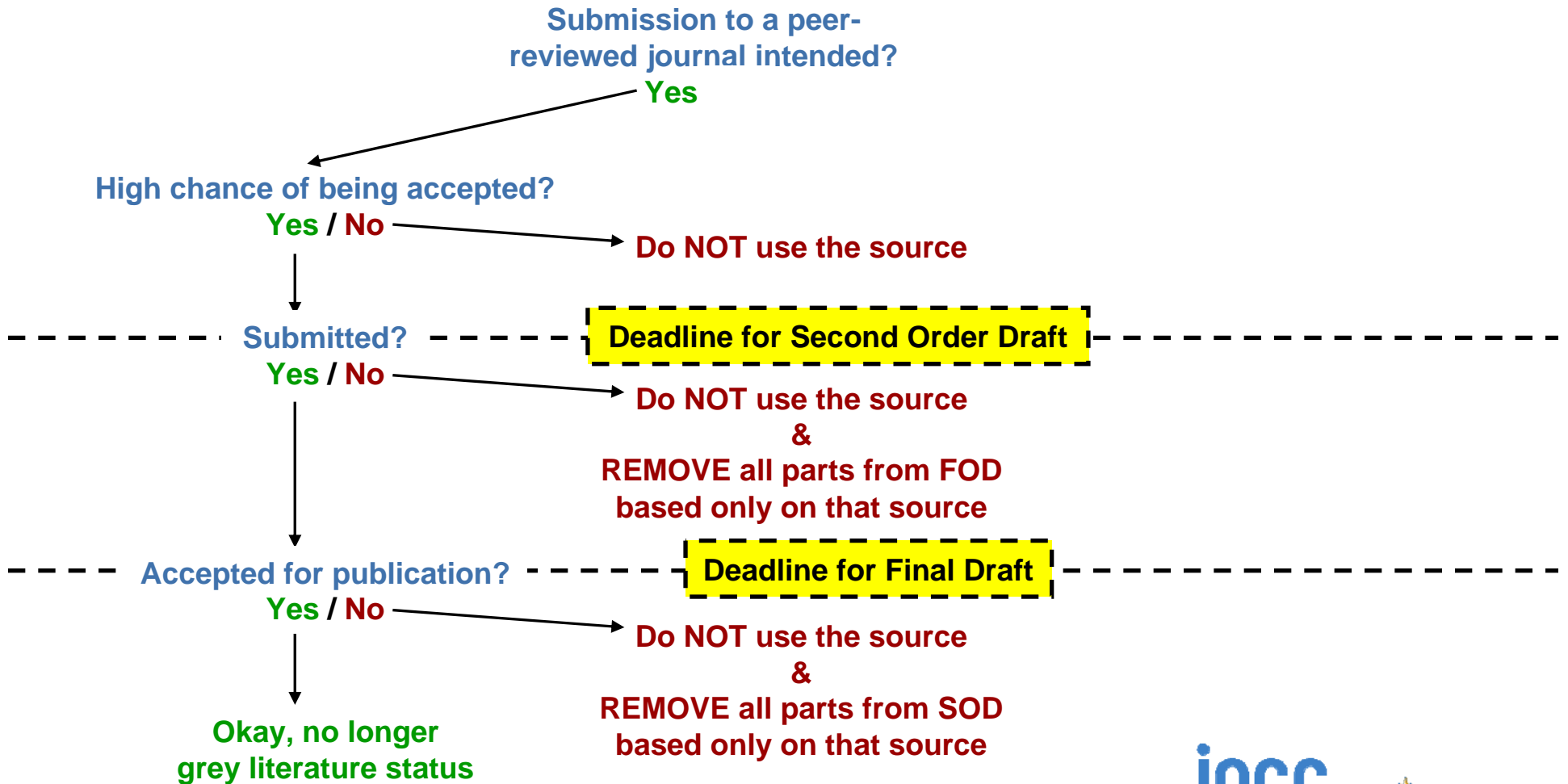
Accepted for publication?

Yes

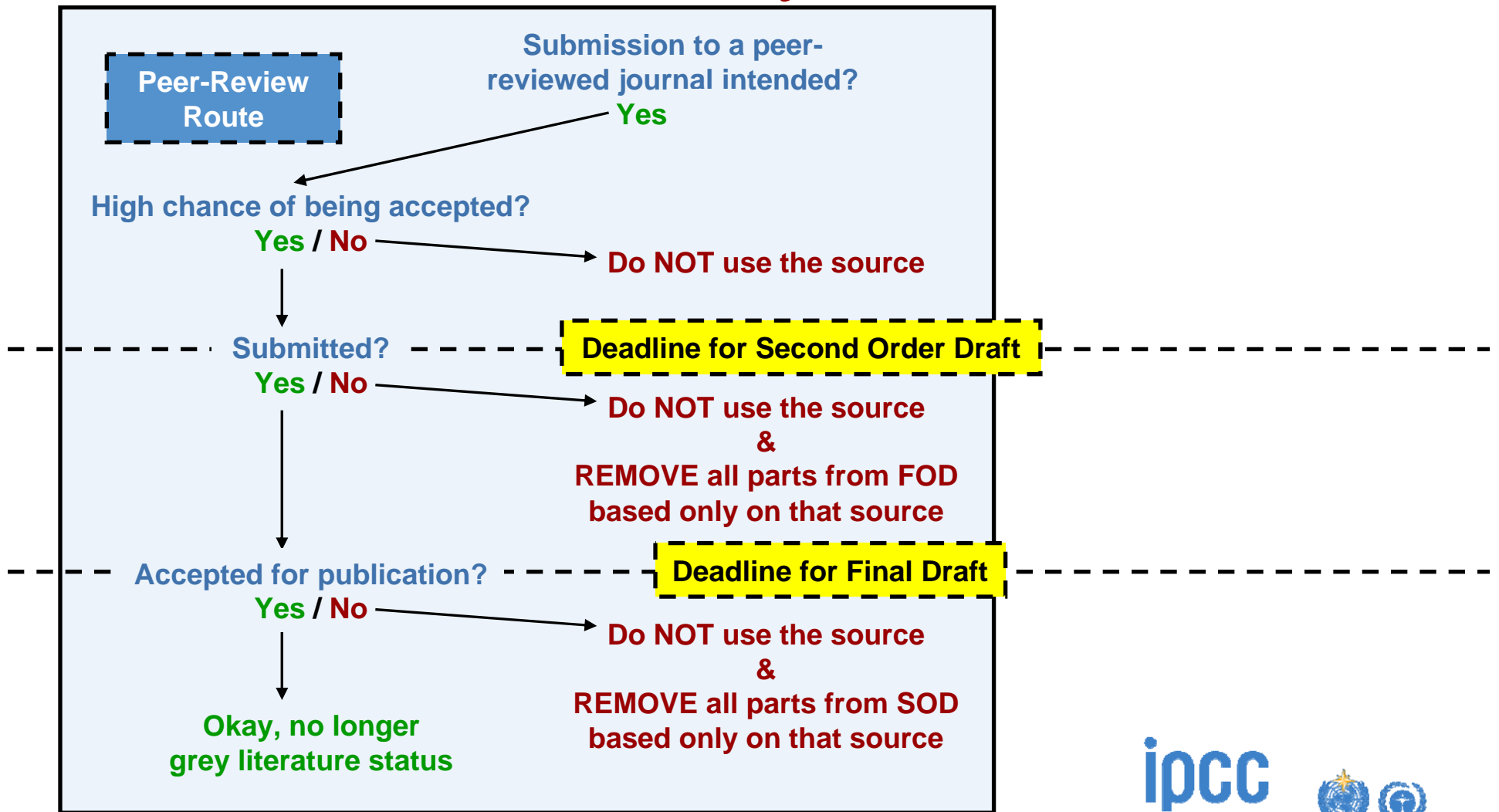
Deadline for Final Draft

Okay, no longer grey literature status

Implementation of Guiding Principle 1 – Quality Check

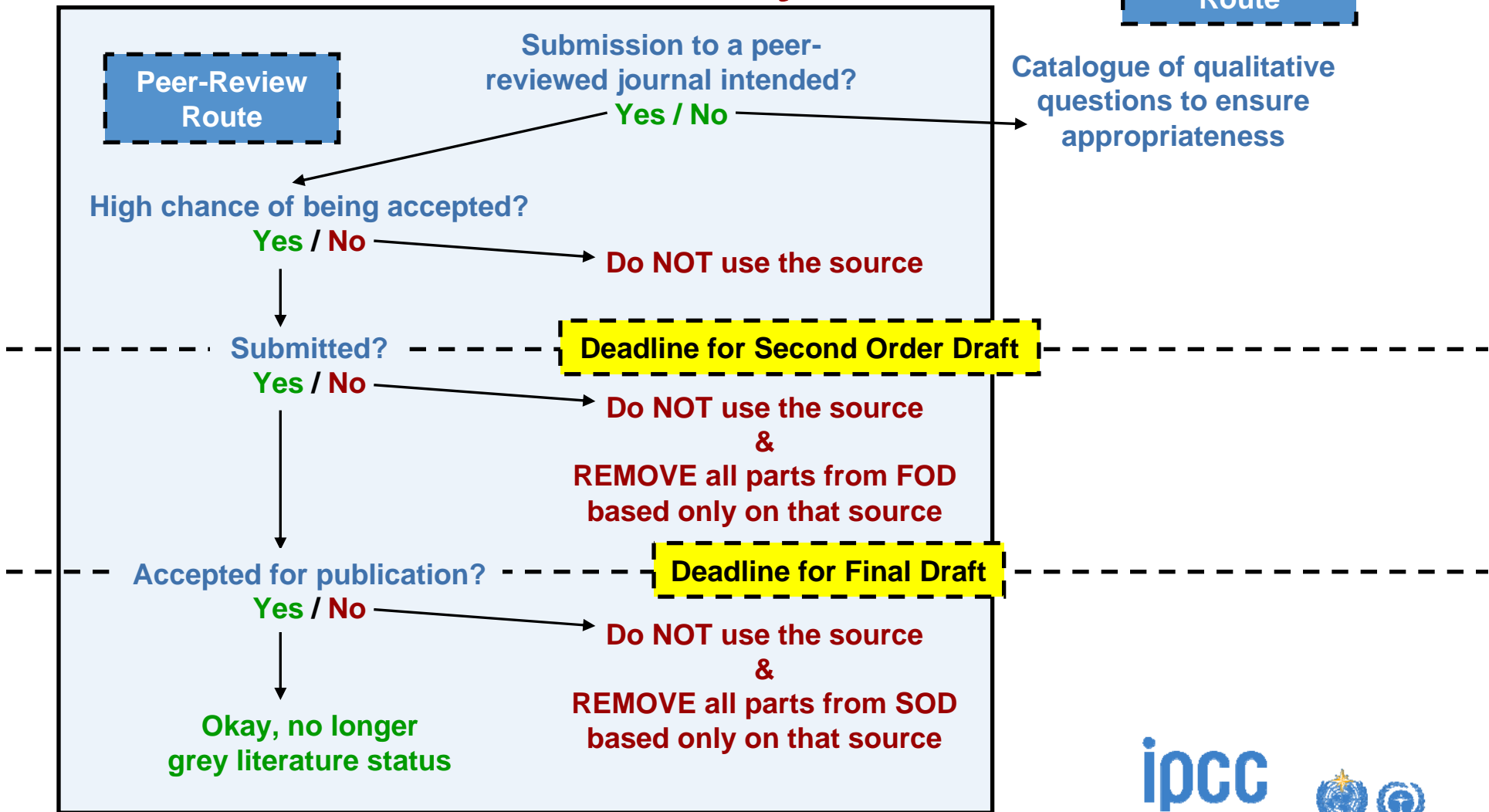


Implementation of Guiding Principle 1 – Quality Check

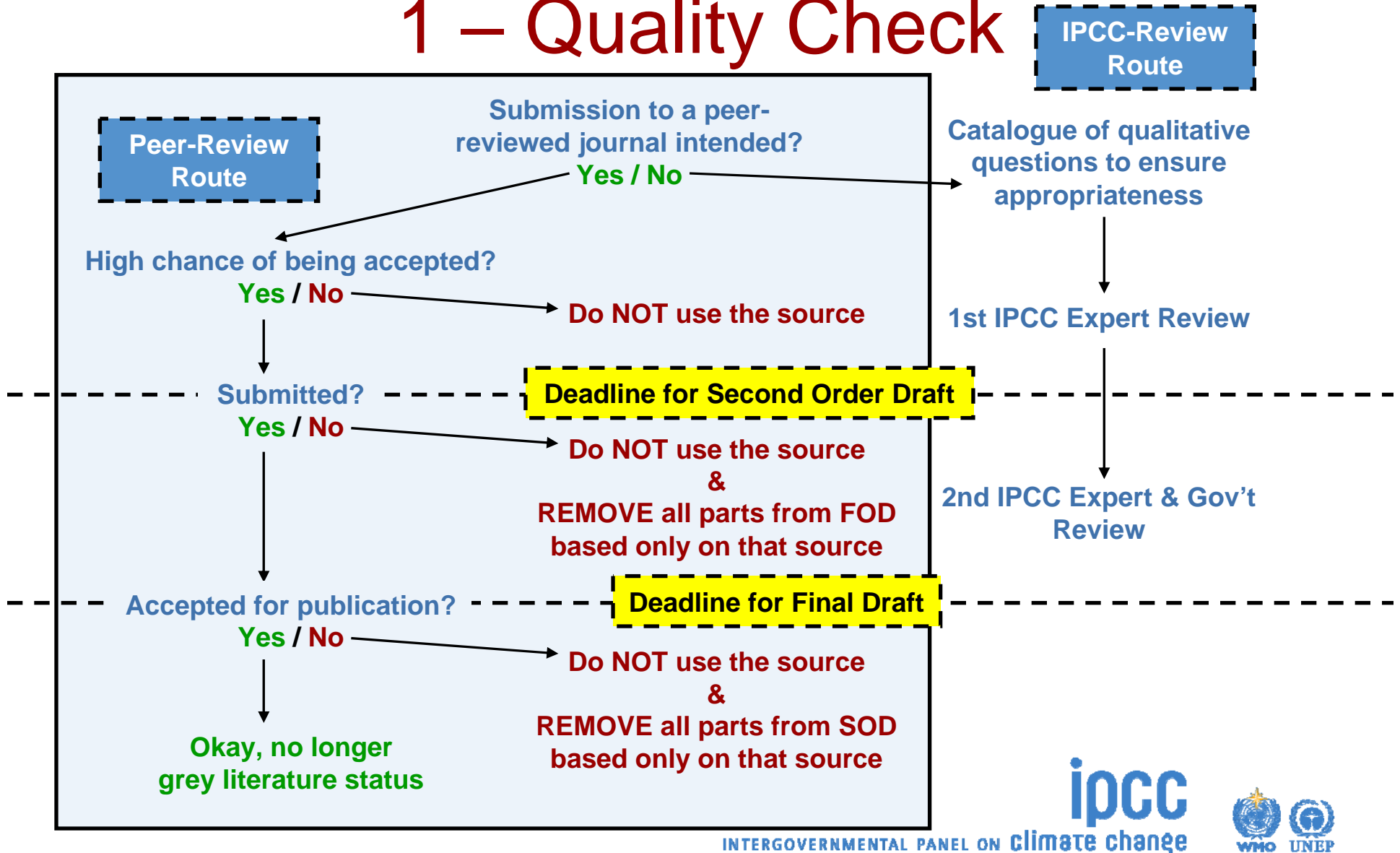


Implementation of Guiding Principle 1 – Quality Check

IPCC-Review
Route



Implementation of Guiding Principle 1 – Quality Check



Implementation of Guiding Principle 2 –Accessibility and Proper Review

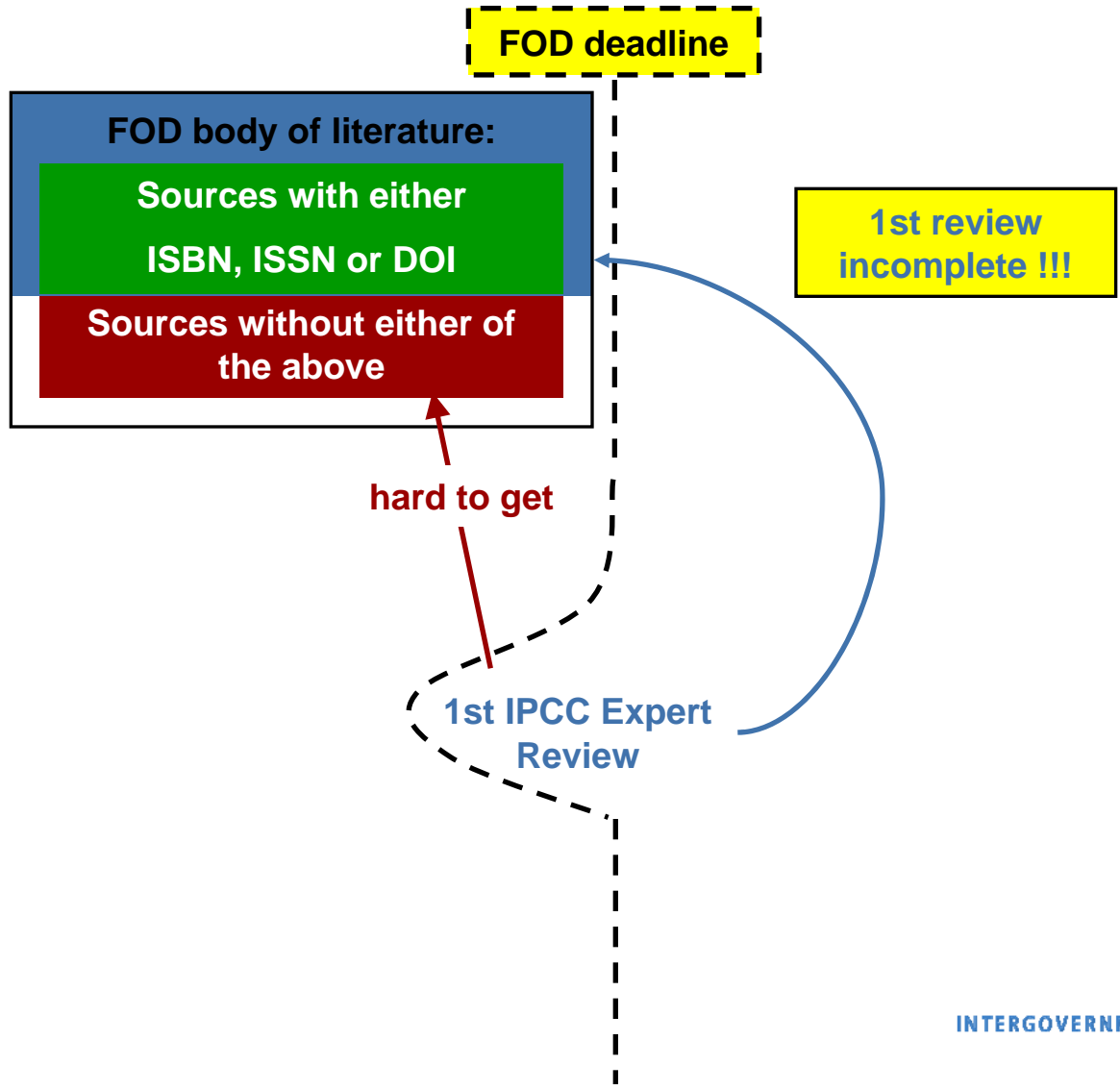
FOD deadline

FOD body of literature:

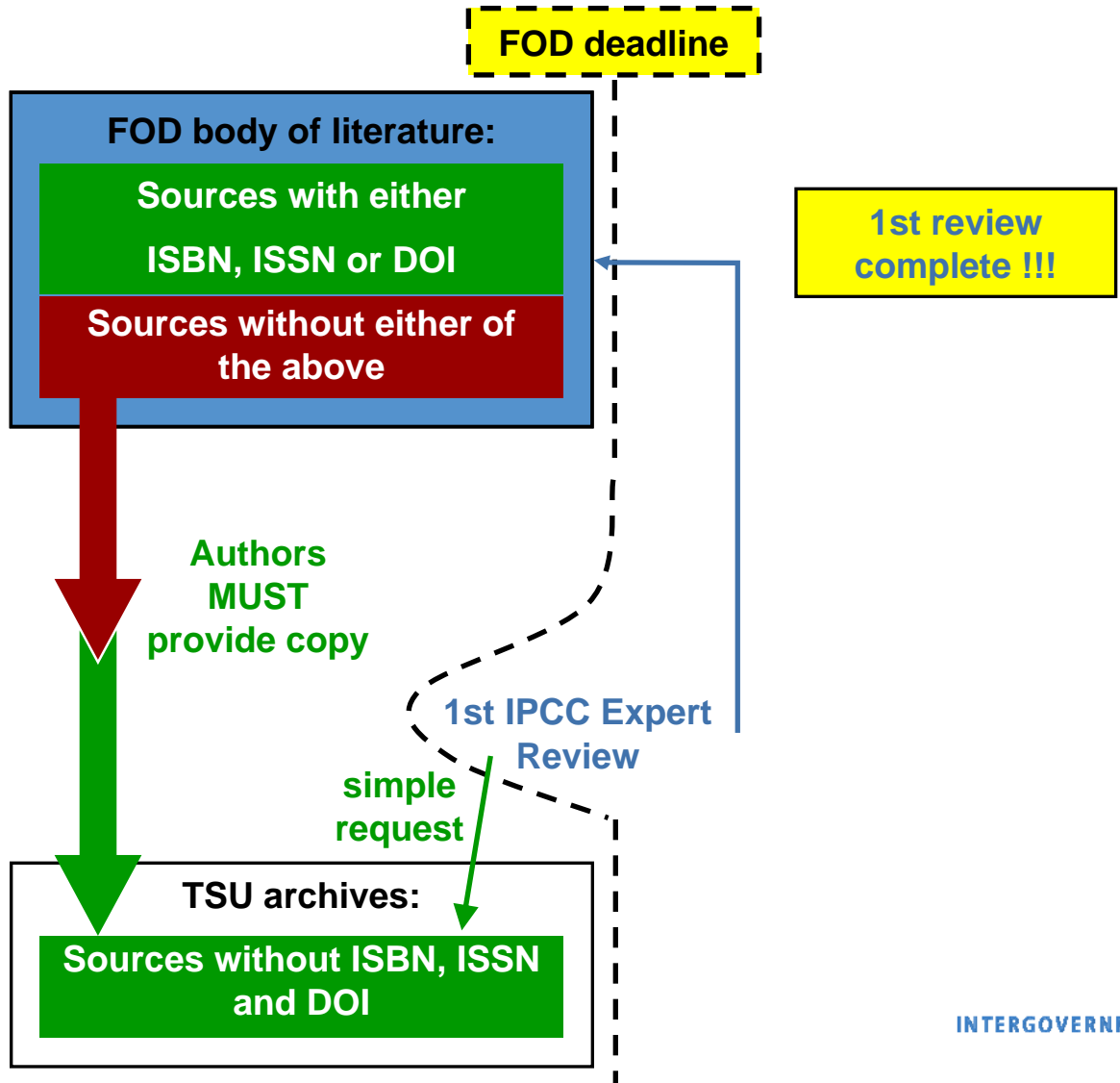
- Sources with either ISBN, ISSN or DOI
- Sources without either of the above

1st IPCC Expert Review

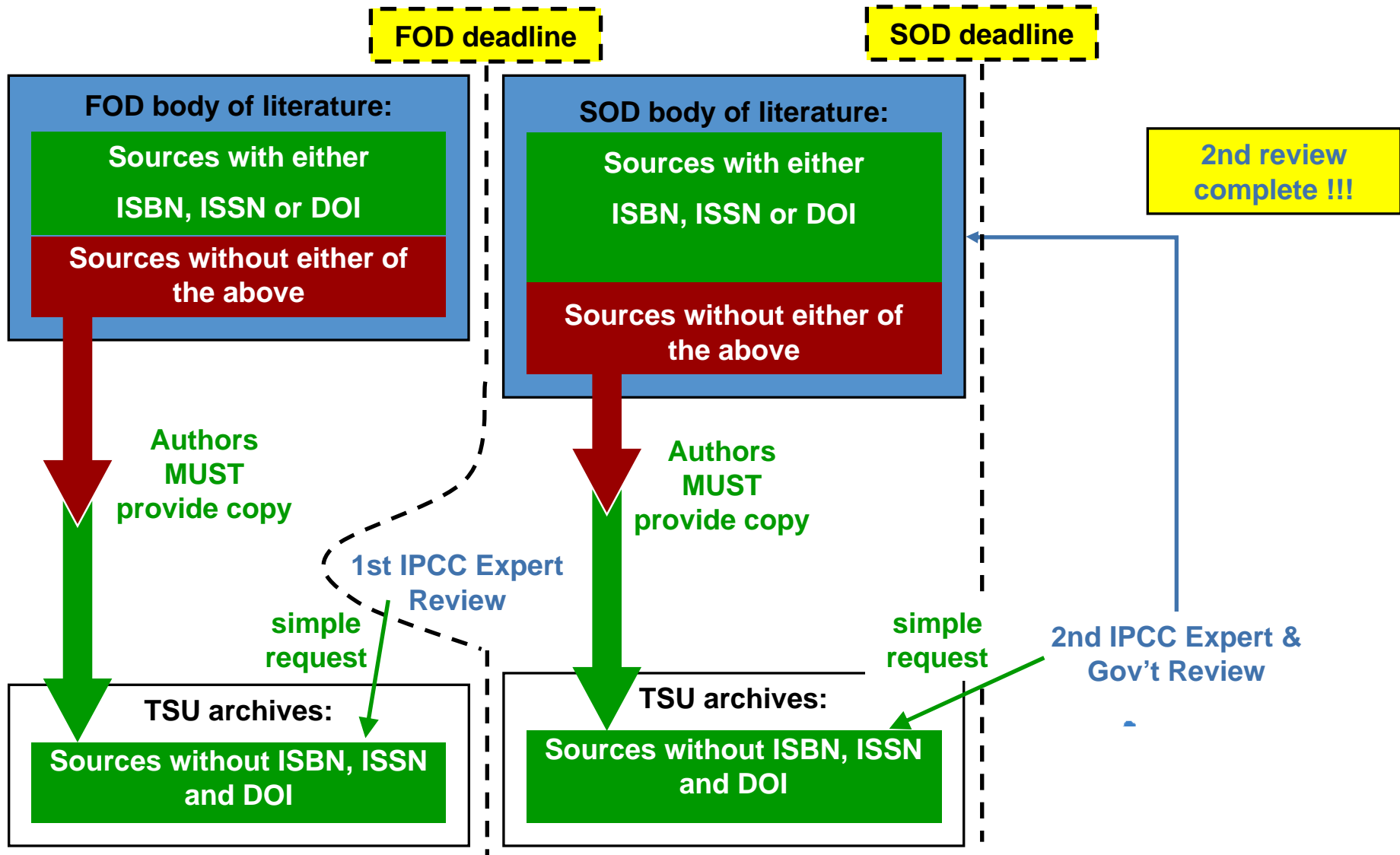
Implementation of Guiding Principle 2 –Accessibility and Proper Review



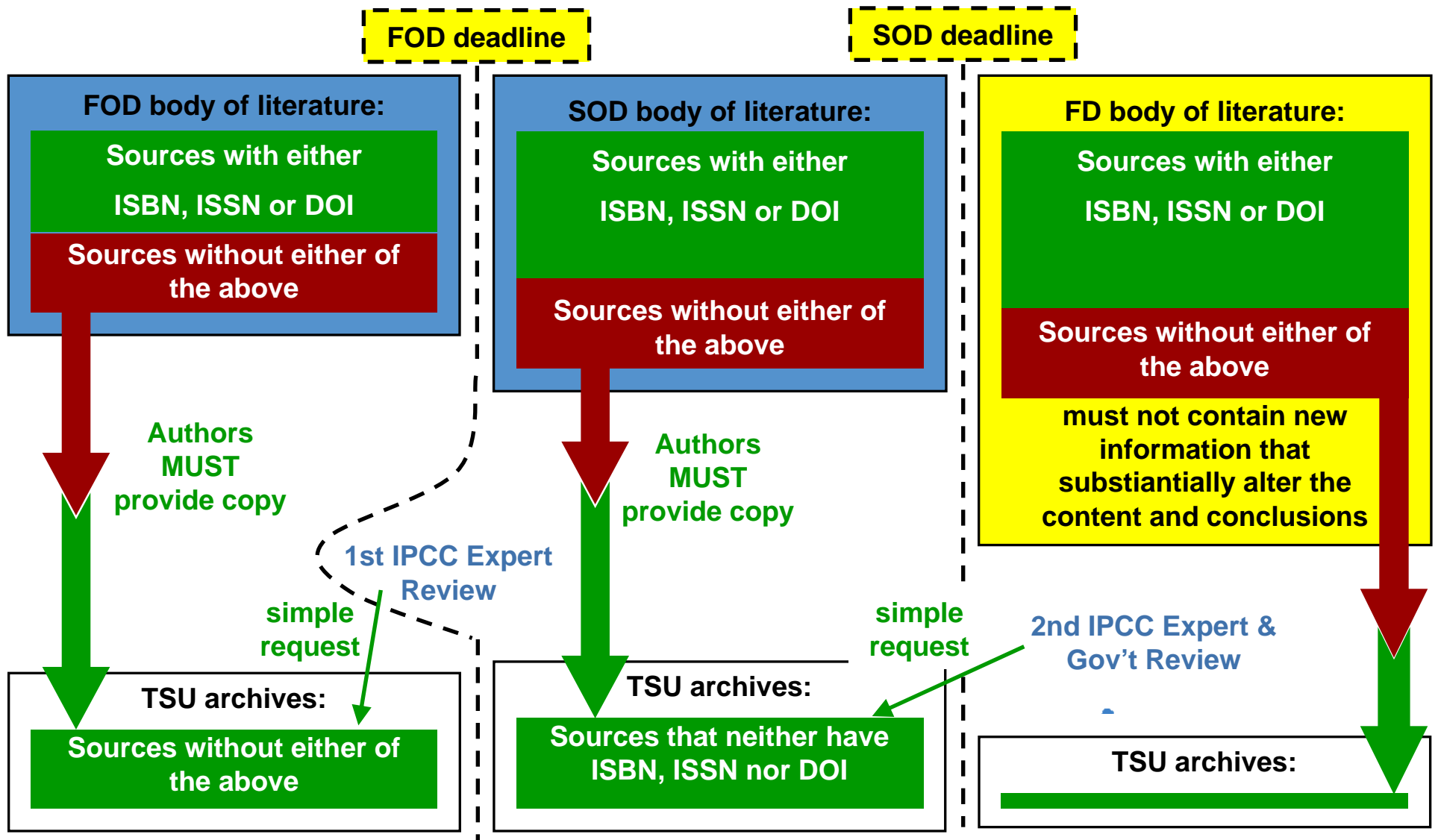
Implementation of Guiding Principle 2 –Accessibility and Proper Review



Implementation of Guiding Principle 2 – Accessibility and Proper Review



Implementation of Guiding Principle 2 – Accessibility and Proper Review



Implementation of Guiding Principle 2 –Accessibility and Proper Review

SOD deadline

After the SOD, authors may only include additional literature that

- (a) has been recommended by reviewers or
- (b) further supports statements that have already been substantiated by one or more references.

Authors shall not introduce new information in the FD that substantially alters the content and conclusions of the report compared to the SOD.

Reason: No Review of FD

FD body of literature:

Sources with either ISBN, ISSN or DOI

Sources without either of the above

must not contain new information that substantially alter the content and conclusions

Specific Quality Check of Not to Be Peer-Reviewed Sources

Guiding questions for literature that is not intended to be published in peer-reviewed journals:

Who (e.g., what organization) is the source of the gray literature citation?

What information does the citation add to the assessment?

Is the information cited available from a peer-reviewed journal source? If yes, is the citation needed?

Are there lines of evidence from other (peer-reviewed or non-peer-reviewed) sources that support the citation or reach different conclusions? If yes, is the citation needed?

What are the qualifications of the author(s) of the document?

Was there any review of the material presented? If so, how wide or extensive was that review? How credible are the reviewers?

Why was the document written? How was the research funded? Could the researcher and/or publisher of the document be perceived as having a particular bias or agenda? If yes, what caveats are needed?

Why wasn't the information published in a peer-reviewed journal?

Implications for SRREN-Authors

1st IPCC Report to be published after
“...gates“

SOD needs to contain all relevant messages

Grey literature needs very careful evaluation

The transition to the SOD is the last critical opportunity for major changes to the content and structure of the SRREN.

Good luck!